AMENDMENTS TO THE CLAIMS

- (Previously presented) A process for preparing a catalyst for olefin polymerization comprising the steps of bringing
 - (A) at least one organic transition metal compound,
 - (B) a mixture of at least two different organo metallic compounds of formula (V), $M^{1}(R^{1})_{t}(R^{2})_{s}(R^{3})_{t} \qquad (V)$

where

M¹ is an alkali metal, an alkaline earth metal or a metal of group 13 of the Periodic Table,

 R^1 is hydrogen, C_1 - C_{10} -alkyl, C_6 - C_{15} -aryl, halo- C_1 - C_{10} -alkyl, halo- C_6 - C_{15} -aryl, C_7 - C_{40} -arylalkyl, C_7 - C_{40} -alkylaryl, C_1 - C_{10} -alkoxy, halo- C_7 - C_{40} -alkylaryl, halo- C_7 - C_{40} -arylalkyl or halo- C_1 - C_{10} -alkoxy,

 R^2 and R^3 are each hydrogen, C_1 - C_{10} -alkyl, C_6 - C_{15} -aryl, halo- C_1 - C_{10} -alkyl, halo- C_6 - C_{15} -aryl, C_7 - C_{40} -arylalkyl, C_7 - C_{40} -alkylaryl, C_1 - C_{10} -alkoxy, halo- C_7 - C_{40} -alkylaryl, halo- C_7 - C_{40} -arylalkyl or halo- C_1 - C_{10} -alkoxy,

r is an integer from 1 to 3

and

s and t are integers from 0 to 2, where the sum r+s+t corresponds to the valence of M^1 ,

and

(C) at least one cation-forming compound

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into contact with one another, wherein the organic transition metal compound A) is firstly combined with the mixture of the organo metallic compounds B).

- (Original) A process for preparing a catalyst for olefin polymerization as claimed in claim1, wherein
 - D) at least one supportis used as further component.
- (Previously presented) A process for preparing a catalyst for olefin polymerization as claimed in claim 1, wherein
 - E) at least one Lewis base is used as further component.
- 4. (Previously presented) A process for preparing a catalyst for olefin polymerization as claimed in claim 1, wherein the cation-forming compound is a strong uncharged Lewis acid, an ionic compound having a Lewis-acid cation, an ionic compound containing a Brönsted acid as cation, an aluminoxane or a modified aluminoxane in which at least some of the hydrocarbon radicals are replaced by alkoxy, aryloxy, siloxy or amide groups.
- 5. (Previously presented) A process for preparing a catalyst for olefin polymerization as claimed in claim 1, wherein the at least one cation-forming compound is obtained during the preparation of the catalyst by reacting a compound having at least one functional group containing active hydrogen with an organometallic compound.

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- 6. (Original) A process for preparing a catalyst for olefin polymerization as claimed in claim 5, wherein the compound having at least one functional group containing active hydrogen is a hydroxyl-containing compound.
- 7. (Original) A process for preparing a catalyst for olefin polymerization as claimed in claim 6, wherein the hydroxyl groups are bound to an element of main group 13, 14 or 15 of the Periodic Table.
- 8. (Canceled)
- 9. (Currently amended) A catalyst-obtainable obtained by a process as claimed in claim 1.
- 10. (Previously presented) A process for the polymerization olefins which comprises polymerizing olefin monomers in the presence of the catalyst as claimed in claim 9.
- 11. (Previously presented) A process for preparing a catalyst for olefin polymerization as claimed in claim 2, wherein
 - E) at least one Lewis base is used as further component.
- 12. (Previously presented) A process for preparing a catalyst for olefin polymerization as claimed in claim 11, wherein the cation-forming compound is a strong uncharged Lewis acid, an ionic compound having a Lewis-acid cation, an ionic compound containing a Brönsted acid as cation or an aluminoxane or a modified aluminoxane in which at least

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some of the hydrocarbon radicals are replaced by alkoxy, aryloxy, siloxy or amide groups.

13. (Previously presented) A process for preparing a catalyst for olefin polymerization as claimed in claim 12, wherein the at least one cation-forming compound is obtained during the preparation of the catalyst by reacting a compound having at least one functional group containing active hydrogen with an organometallic compound.

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